

How the tracking system works?

Reference File

TCS Blanket Management System (TCSB)

Each TCS part is assigned a "Vxxxxx" series bar code as follows: V0 for spares, V1 for mission kits, V2 for OV-102, v3 for OV-103, V4 for OV-104, V5 for OV-105, and V6 for OMS pods.

The barcode assigned is for the life of the part from inception to mod out point.

Carrier Panel Tracking System (CPTS)

Each Carrier Panel is assigned a "XXXYYYYZZZ" series bar code as follows:

The first three characters "XXX" are the vehicle or component, i.e. F03 for FRC3, F04 for FRC4, F05 for FRC5, L01 for LP01, L03 for LP03, L04 for LP04, R01 for RP01, R03 for RP03, R04 for RP04, V03 for OV-103, V04 for OV-104, and V05 for OV-105.

The second four characters "YYYY" are the penetration numbers.

The last three characters "ZZZ" are a sequential number, starting with 001.

The barcode assigned is for the life of the part from inception to mod out point.

Each bar code is entered into either TCSB or CPTS.

Each barcode is loaded with vehicle or component, part number, serial number, drawing zone, installation drawing, vehicle zone, find number, WAD number, and any other pertinent information.

The bar code can also be loaded with special installation instructions for each particular case in TCSB. In CPTS, the remarks are loaded via Carrier Panel Kitting.

Tracking System

The purpose of the tracking systems is to status every vehicle part that is removed until it is re-installed.

This is accomplished by removing the part, logging into the respective tracking system, opening the first screen (Blanket Steps or Carrier Panel Steps) under either the TCSB or CPTS menu and entering step 1, the WAD, location, and bar code for each removed part.

Note: the examples shown below each screen are from TCSB as evident from the name "Blanket". Screens for CPTS are similar and are labeled as Carrier Panel.

Screen 1: Steps

The system will prompt the user whether they want to print the log (TCSB) or travelers (both TCSB & CPTS). It generates each separately and then they can be printed. In CPTS, the traveler is sometimes pre-staged with the removal WAD using a step 0 for preplanned work.

BLFSTEPM - Blanket Steps - [BLFSTEPM - Blanket Steps]

File Edit Forms Reports Help

ADMIN

Blanket Steps

Step Number Completed:

Task Number:

New Location/Box No:

Barcode Lookup

Known Part

Traveler No.	Current OCN
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

Save New Record Cancel Delete Close

Record: 1/1 List of Values <OSC> <DBG>

Screen 2: Tracking

All subsequent steps (2 - inspection, 3- Obtain Replacement, 5- TPSF Fabrication, 6 - TPSF Routing, 4 - logistics, 7 - Recall, 9 - Cleaning, 60 - ok to install, and 99 - installed) may be entered in this same manner. An alternative method used is via screen 2 (Blanket Tracking or Carrier Panel Tracking). Screen 2 is the preferred screen for location changes and serial number changes.

BLFTRACK - Blanket Tracking - [BLFTRACK - Blanket Tracking]

File Edit Forms Reports Help

ADMIN

Blanket Tracking

Traveler No: Barcode Lookup:

New Location/Box No:

Engineering Information

Part Number:

OCN:

Install Drawing:

Drawing Zone:

Vehicle Zone:

Vehicle No:

Remarks:

Logistics Information

Box Location:

Received Date:

Issued Date:

Scheduled Install Date:

Tech Stamp:

Logistics Stamp:

Removal

Task:

VADRevChange:

Work Status:

Vehicle:

Flight:

Fixed Location:

Component Flight:

Install

Task:

VADRevChange:

Work Status:

Vehicle:

Flight:

Fixed Location:

Component Flight:

Steps Performed

		Completion Date
1	REMOVE BLANKET	11/30/2009
2	INSPECTION COMPLETE	11/30/2009
4	ROUTE BLANKET	12/02/2009

< Query > Clear Query Save Preplanned Traveler Remove Blanket Cancel Delete Close

Record: 1/3

BLFTRACK - Blanket Tracking - [BLFTRACK - Blanket Tracking]

File Edit Forms Reports Help

ADMIN

Blanket Tracking

Traveler No: Barcode Lookup:

New Location/Box No:

Legal Steps

2 INSPECTION COMPLETE

3 OBTAIN REPLACEMENT BLANKET

4 ROUTE BLANKET

5 TPSF BLANKET

6 TPSF ROUTE BLANKET

7 RECALL BLANKET

9 CLEAN BLANKET

60 OK TO INSTALL

99 INSTALLATION COMPLETE

To input that a process has been completed, first click mouse on desired step.

Steps Performed

		Completion Date
1	REMOVE BLANKET	11/30/2009
2	INSPECTION COMPLETE	11/30/2009
4	ROUTE BLANKET	12/02/2009

< Query > Clear Query Save Preplanned Traveler Remove Blanket Cancel Delete Close

Record: 1/3

Screen 3: Reference file

This is the engineering reference file that the bar code pulls from. Maintained by anyone with Admin functions in either TCSB or CPTS.

BLFREfer - Blanket Reference - [BLFREfer - Blanket Reference]

File Edit Forms Reports Help

ADMIN

Blanket Reference

	Traveler No	Comp No	Part No	OCN	Drawing Zone	Description	Installation Drawing	Vehicle Grnd	Zone	Find No	Map No
<input type="checkbox"/> Modified	V30000		V070-362445-048	52B2CX	105E X0 582	SOLAR SHIEL	V070-362445	R	211LHA	1182	M
<input type="checkbox"/> Modified	V30001		V070-362445-049	52B288	105C X0 582A	SOLAR SHIEL	V070-362445	R	211LHA	1183	M
<input type="checkbox"/> Modified	V30002		V070-362445-050	52B287	106B FWD WT	SOLAR SHIEL	V070-362445	R	211LHA	1193	M
<input type="checkbox"/> Modified	V30003		V070-362445-051	52B286	105B X0 582A	SOLAR SHIEL	V070-362445	R	211LHA	1184	M
<input type="checkbox"/> Modified	V30004		V070-362445-052	52B285	106B FWD WT	SOLAR SHIEL	V070-362445	R	211LHA	1194	M
<input type="checkbox"/> Modified	V30005		V070-362445-053	52B2CV	107B X0 609B	SOLAR SHIEL	V070-362445	R	211LHA	1185	M
<input type="checkbox"/> Modified	V30006		V070-362445-054	52B27U	107G X0 609LC	SOLAR SHIEL	V070-362445	R	211LHA	1166	M
<input type="checkbox"/> Modified	V30007		V070-362445-055	52B27V	106G LF SILL	SOLAR SHIEL	V070-362445	R	211LHA	1167	M
<input type="checkbox"/> Modified	V30008		V070-362445-056	52B27W	108H LA SILL	SOLAR SHIEL	V070-362445	R	211LHA	1168	M
<input type="checkbox"/> Modified	V30015		V070-362475-031	52B1N7	109G X0 636F	BLANKET	V070-362445	G	211LHA	1173	M
<input type="checkbox"/> Modified	V30016		V070-362480-028	52B1PY	108G X0 609U	BLANKET	V070-362445	G	211LHA	1174	M
<input type="checkbox"/> Modified	V30017		V070-362487-015	52B1N8	106H FWD TOP	BLANKET	V070-362445	R	211LHA	1175	M
<input type="checkbox"/> Modified	V30018		V070-362488-023	52B1NA	108H AFT TOP	BLANKET	V070-362445	R	211LHA	1176	M
<input type="checkbox"/> Modified	V30019		V070-362491-015	52B46Y	95E	BLANKET	V070-362445	R	211LHA	1195	M
<input type="checkbox"/> Modified	V30020		V070-362492-032	J63366	105C	BLANKET	V070-362445	R	211LHA	1192	M
<input type="checkbox"/> Modified	V30021		V070-362940-010	536712	40G X0 636L	BLANKET	V070-362445	R	211LHB	1267	M
<input type="checkbox"/> Modified	V30022		V070-362940-011	536713	33G X0 636R	BLANKET	V070-362445	R	211RHB	1274	M
<input type="checkbox"/> Modified	V30023		V070-368931-019	52B1N4	89E X0 582F	BLANKET	V070-362445	R	211LHA	1177	M
<input type="checkbox"/> Modified	V30024		V070-368932-008	52B1P6	106C	BLANKET	V070-362445	R	211LHA	1196	M
<input type="checkbox"/> Modified	V30025		V070-368936-001	52C1H5	110B	BLANKET	V070-362445	R	211LHA	1197	M
<input type="checkbox"/> Modified	V30026		V070-362445-073	52B28B	44H	SOLAR SHIEL	V070-362445	R	211LHB	1198	M
<input type="checkbox"/> Modified	V30027		V070-362445-074	52B28A	43H	SOLAR SHIEL	V070-362445	R	211LHB	1199	M
<input type="checkbox"/> Modified	V30028		V070-362445-075	52B289	42H	SOLAR SHIEL	V070-362445	R	211LHB	1200	M

Sort: ☐ Ascending ☐ Descending

TRAVELER NO

< Query > Clear Query Save New Record Copy Record Cancel Delete Last Record Screen Report Close

Record: 1/7 List of Values <OSC> <DBG>

Box tracking is used to locate parts into a box or container, then route/transfer the box or container to into and out of Logistics.

[illegible]

Due to HMF unique processes, this screen was developed as a combination Screen 1, 2, 3, 4, and 99.

[illegible]

Screen 6: PR Remarks (TCSB)/Screen 5 (CPTS)

When is PR is generated, this screen ties the PR to the bar code in the tracking system. A Remarks is entered to reflect new or spare replacement.

BLFPREPT - PR Remarks - [BLFPREPT - PR Remarks]

File Edit Forms Reports Help

ADMIN

PR Remarks

Traveler No: Task No: PR No:

Title:

Remarks:

Work Stat: Comp Flight: Flight: STS No:

Actual Close Date: Blanket Need Date:

< Query > Clear Query Save New Record Cancel Close

Enter a query; press F8 to execute, Ctrl+q to cancel.
Record: 1/1 Enter-Query List of Values <OSC> <DBG>

Screen 7: Install Task and Replacement (TCSB)

This screen is used in conjunction with the PR screen to reflect replacement.

BLFREPLC - Install Task and Replacement - [BLFREPLC - Install Task and Replacement]

File Edit Forms Reports Help

ADMIN

Install Task and Replacement

Traveler No: Install Task No:

Part No: OCN: Removal Task No:

Step	Description	Accept	Complete Date
<input type="text"/>		<input type="text"/>	<input type="text"/>
<input type="text"/>		<input type="text"/>	<input type="text"/>
<input type="text"/>		<input type="text"/>	<input type="text"/>
<input type="text"/>		<input type="text"/>	<input type="text"/>
<input type="text"/>		<input type="text"/>	<input type="text"/>
<input type="text"/>		<input type="text"/>	<input type="text"/>
<input type="text"/>		<input type="text"/>	<input type="text"/>
<input type="text"/>		<input type="text"/>	<input type="text"/>
<input type="text"/>		<input type="text"/>	<input type="text"/>

Enter New/Spare Traveler No:

< Query > Clear Query Save Verify New/Spare Traveler Data Cancel

Close

Enter a query: press F8 to execute, Ctrl+q to cancel.
Record: 1/1 Enter-Query List of Values <OSC> <DBG>

Screen 8: Vehicle Area/Zone/Bay Legal Value (TCSB)/ Screen 7 (CPTS)

This screen shows the legal values for vehicle area, zone, bay. This screen is also used to add or delete legal values by those with Admin approval.

Vehicle Area/Zone/Bay Legal Value

Area	Bay	Zone

< Query > Clear Query Save New Record Copy Record Cancel

Close

Enter a query; press F8 to execute, Ctrl+q to cancel.
Record: 1/1 Enter-Query List of Values <OSC> <DBG>

Screen 9: Location Legal Value (TCSB)/Screen 8 (CPTS)

This screen shows the legal values for locations. This screen is also used to add or delete legal values by those with Admin approval.

Blanket Location Legal Value

Location	Site	Sub Site	Facility	Sub Facility	Area Number	Type	Remarks

< Query > Clear Query Save New Record Copy Record Cancel

Close

Enter a query; press F8 to execute, Ctrl+q to cancel.
Record: 1/1 Enter-Query List of Values <OSC> <DBG>

Screen 10: Part Number to traveler Inquiry (TCSB only)
This screen is used to inquire part number to traveler bar codes.

[illegible]

Screen 11: Location Inquiry (TCSB)/Screen 10 (CPTS)
This screen is used to inquire part location by traveler bar code.

BLFLOCQ - Blanket Location Inquiry - [BLFLOCQ - Blanket Location Inquiry]

File Edit Forms Reports Help

ADMIN

Blanket Location Inquiry

Box Number	Box Location	Traveler No	Part Number	WAD Number	OCN

Total Blankets:

< Query > Clear Query

Screen Report

Close

Enter a query; press F8 to execute, Ctrl+q to cancel.

Record: 1/1 Enter-Query List of Values <OSC> <DBG>

Screen 12: Inquiry (TCSB)/ Screen 11 (CPTS)
Another inquiry screen for multiple purposes.

BLFBLANQ - Blanket Inquiry - [BLFBLANQ - Blanket Inquiry]

File Edit Forms Reports Help

ADMIN

Blanket Inquiry

Traveler No	Removal Task	Install Task	Vehicle Zone	Sched Install	Blanket Location	Box Location	Line Item	Rcvd Date	Issued Date	Tech Stamp	Log Stamp	Part No

< Query > Clear Query

Close

Enter a query: press F8 to execute, Ctrl+q to cancel.
Record: 1/1 Enter-Query List of Values <OSC> <DBG>

Screen 13: History Inquiry (TCSB)/Screen 12 (CPTS)
Inquiry to Part history screen.

[illegible]

Screen 14: PR History Inquiry (TCSB)/Screen 13 (CPTS) Inquiry to PR history.

[illegible]

Screen 15: Task By Bay Inquiry (TCSB)/Screen 14 (CPTS)
Another multiple purpose inquiry screen.

[illegible]

The To Go inquiry screen shows how many parts to install in each area to complete close-outs. Used by Shop, Planners/Schedulers, and Management for status.

[illegible]

Screen 16: Configuration Reference (CPTS only)

CPFCNFG - Carrier Panel Configuration Reference - [CPFCNFG - Carrier Panel Configuration Reference]

File Edit Forms Online Reports Help

ADMIN

Configuration Reference

Vehicle	Flight	STS	FRCS	FRCS _FLT	LPOD	LPOD _FLT	RPOD	RPOD _FLT

< Query > Clear Query Save New Record Copy Record Cancel Delete

Screen Report Close

Enter a query; press F8 to execute, Ctrl+q to cancel.
Record: 1/1 Enter-Query List of Values <OSC> <DBG>

The Blanket Removal-Installation Log automatically is generated with each removal and is printed at time of removals. If the Blanket Removal-Installation Log needs to be re-printed for any reason, this screen is used for that purpose.

Enter a query; press F8 to execute, Ctrl+q to cancel.

Record: 1/1	Enter-Query	List of Values	<OSC>	<DBG>
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Screen 18: Traveler Print (TCSB)/Screen 17 (CPTS)

The Traveler automatically is generated with each removal and is printed at time of removals. If the Traveler needs to be re-printed for any reason, this screen is used for that purpose.

BLFTRVLR - Traveler Print - [BLFTRVLR - Traveler Print]

File Edit Forms Reports Help

ADMIN

Traveler Print

Traveler No	Removal Task No	Install Task No	Line Item	Scheduled Install Date	Location	Box Location

< Query > Clear Query Clear Record Print Traveler Close

Enter a query; press F8 to execute, Ctrl+q to cancel.
Record: 1/1 Enter-Query List of Values <OSC> <DBG>

Screen 18: Batch Traveler Print (CPTS only)

In CPTS travelers are pre-printed during WAD buildup. This screen provides batch printing of travelers to support pre-planning.

CPFBTRVR - Traveler Print - [CPFBTRVR - Batch Traveler Print]

File Edit Forms Online Reports Help

ADMIN

Batch Traveler Print

Enter Authorizing Doc and Flt:

Authorizing Doc:

Flt:

Enter a Penetration No and Veh No Combination:

Penetration No:

Veh No:

Or a Traveler No:

Traveler No:

Total:

Clear Form StageTraveler Print Traveler Close

Record: 1/1 <OSC> <DBG>

Note: Parts that are removed and stored in Logistics are tracked by their respective system.